

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/937,495
Source: TFW/6
Date Processed by STIC: 2-2-05

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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/937,495

DATE: 02/02/2005

TIME: 16:16:49

Input Set : E:\seqlist.txt

Output Set: N:\CRF4\02022005\I937495.raw

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3 <110> APPLICANT: KUSUNOKI, CHIHIRO
4     FUKUSHIMA, ATSUSHI
6 <120> TITLE OF INVENTION: METHOD FOR PREPARING MONOCLONAL ANTIBODY
8 <130> FILE REFERENCE: SHIM-013
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/937,495
C--> 11 <141> CURRENT FILING DATE: 2002-02-28
11 <150> PRIOR APPLICATION NUMBER: JP11-087929
12 <151> PRIOR FILING DATE: 1999-03-30
14 <150> PRIOR APPLICATION NUMBER: JP00/02022
15 <151> PRIOR FILING DATE: 2000-03-30
17 <160> NUMBER OF SEQ ID NOS: 5
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1507
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (12)..(1400)
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33     1 5 10
35 ccc aga tgg gtc ctg tcc cag gtt cag cta cag cag tgg ggc gca gga 98
36 Pro Arg Trp Val Leu Ser Gln Val Gln Leu Gln Gln Trp Gly Ala Gly
37 15 20 25
39 ctg ttg aag cct tcg gag acc ctg tcc ctc acc tgc gct gtc tat ggt 146
40 Leu Leu Lys Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly
41 30 35 40 45
43 ggg tcc ttc agt ggt tac tac tgg acc tgg atc cgc cag ccc cca ggg 194
44 Gly Ser Phe Ser Gly Tyr Tyr Trp Thr Trp Ile Arg Gln Pro Pro Gly
45 50 55 60
47 aag ggg ctg gag tgg att ggg gaa atc att cat cat gga aac acc aac 242
48 Lys Gly Leu Glu Trp Ile Gly Glu Ile Ile His His Gly Asn Thr Asn
49 65 70 75
51 tac aac ccg tcc ctc aag agt cga gtc tcc ata tca gtt gac acg tcc 290
52 Tyr Asn Pro Ser Leu Lys Ser Arg Val Ser Ile Ser Val Asp Thr Ser
53 80 85 90
55 aag aac cag ttc tcc ctg aca ctg agc tct gtg acc gcc gcg gac acg 338
56 Lys Asn Gln Phe Ser Leu Thr Leu Ser Ser Val Thr Ala Ala Asp Thr
57 95 100 105
59 gct gtg tat tac tgt gcg aga ggg gga gca gtg gct gcg ttt gac tac 386
60 Ala Val Tyr Tyr Cys Ala Arg Gly Gly Ala Val Ala Ala Phe Asp Tyr

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61	110				115				120				125				
63	tgg	ggc	cag	gga	acc	ctg	gtc	acc	gtc	tcc	tca	gcc	tcc	acc	aag	ggc	434
64	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	
65					130				135				140				
67	cca	tcg	gtc	ttc	ccc	ctg	gcg	ccc	tgc	tcc	agg	agc	acc	tcc	gag	agc	482
68	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Cys	Ser	Arg	Ser	Thr	Ser	Glu	Ser	
69				145					150				155				
71	aca	gcg	gcc	ctg	ggc	tgc	ctg	gtc	aag	gac	tac	ttc	ccc	gaa	ccg	gtg	530
72	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	
73			160					165				170					
75	acg	gtg	tcg	tgg	aac	tca	ggc	gct	ctg	acc	agc	ggc	gtg	cac	acc	ttc	578
76	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser	Gly	Val	His	Thr	Phe	
77		175					180					185					
79	cca	gct	gtc	cta	cag	tcc	tca	gga	ctc	tac	tcc	ctc	agc	agc	gtg	gtg	626
80	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	
81	190				195				200				205				
83	acc	gtg	ccc	tcc	agc	aac	ttc	ggc	acc	cag	acc	tac	acc	tgc	aac	gta	674
84	Thr	Val	Pro	Ser	Ser	Asn	Phe	Gly	Thr	Gln	Thr	Tyr	Thr	Cys	Asn	Val	
85				210					215				220				
87	gat	cac	aag	ccc	agc	aac	acc	aag	gtg	gac	aag	aca	gtt	gag	cgc	aaa	722
88	Asp	His	Lys	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys	Thr	Val	Glu	Arg	Lys	
89			225					230				235					
91	tgt	tgt	gtc	gag	tgc	cca	ccg	tgc	cca	gca	cca	cct	gtg	gca	gga	ccg	770
92	Cys	Cys	Val	Glu	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Pro	Val	Ala	Gly	Pro	
93			240					245				250					
95	tca	gtc	ttc	ctc	ttc	ccc	cca	aaa	ccc	aag	gac	acc	ctc	atg	atc	tcc	818
96	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	
97		255					260				265						
99	cgg	acc	cct	gag	gtc	acg	tgc	gtg	gtg	gtg	gac	gtg	agc	cac	gaa	gac	866
100	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	
101	270				275				280			285					
103	ccc	gag	gtc	cag	ttc	aac	tgg	tac	gtg	gac	ggc	gtg	gag	gtg	cat	aat	914
104	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	
105				290					295			300					
107	gcc	aag	aca	aag	cca	cgg	gag	gag	cag	ttc	aac	agc	acg	ttc	cgt	gtg	962
108	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Phe	Asn	Ser	Thr	Phe	Arg	Val	
109				305					310			315					
111	gtc	agc	gtc	ctc	acc	gtt	gtg	cac	cag	gac	tgg	ctg	aac	ggc	aag	gag	1010
112	Val	Ser	Val	Leu	Thr	Val	Val	His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	
113			320					325				330					
115	tac	aag	tgc	aag	gtc	tcc	aac	aaa	ggc	ctc	cca	gcc	ccc	atc	gag	aaa	1058
116	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Gly	Leu	Pro	Ala	Pro	Ile	Glu	Lys	
117		335					340				345						
119	acc	atc	tcc	aaa	acc	aaa	ggg	cag	ccc	cga	gaa	cca	cag	gtg	tac	acc	1106
120	Thr	Ile	Ser	Lys	Thr	Lys	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	
121	350				355				360			365					
123	ctg	ccc	cca	tcc	cgg	gag	gag	atg	acc	aag	aac	cag	gtc	agc	ctg	acc	1154
124	Leu	Pro	Pro	Ser	Arg	Glu	Glu	Met	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	
125				370					375			380					

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127 tgc ctg gtc aaa ggc ttc tac ccc agc gac atc gcc gtg gag tgg gag 1202
128 Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu
129          385          390          395
131 agc aat ggg cag ccg gag aac aac tac aag acc aca cct ccc atg ctg 1250
132 Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu
133          400          405          410
135 gac tcc gac ggc tcc ttc ttc ctc tac agc aag ctc acc gtg gac aag 1298
136 Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys
137          415          420          425
139 agc agg tgg cag cag ggg aac gtc ttc tca tgc tcc gtg atg cat gag 1346
140 Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu
141 430          435          440          445
143 gct ctg cac aac cac tac acg cag aag agc ctc tcc ctg tct ccg ggt 1394
144 Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly
145          450          455          460
147 aaa tga gtgccacggc cggcaagccc ccgctcccca ggctctcggg gtcgctgag 1450
148 Lys
150 gatgcttggc acgtaccccg tgtacatact tcccaggcac ccagcaaagc cgaattc 1507
153 <210> SEQ ID NO: 2
154 <211> LENGTH: 462
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 2
159 Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
160 1          5          10          15
162 Val Leu Ser Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys
163          20          25          30
165 Pro Ser Glu Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe
166          35          40          45
168 Ser Gly Tyr Tyr Trp Thr Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu
169          50          55          60
171 Glu Trp Ile Gly Glu Ile Ile His His Gly Asn Thr Asn Tyr Asn Pro
172 65          70          75          80
174 Ser Leu Lys Ser Arg Val Ser Ile Ser Val Asp Thr Ser Lys Asn Gln
175          85          90          95
177 Phe Ser Leu Thr Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr
178          100          105          110
180 Tyr Cys Ala Arg Gly Gly Ala Val Ala Ala Phe Asp Tyr Trp Gly Gln
181          115          120          125
183 Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
184          130          135          140
186 Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala
187 145          150          155          160
189 Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
190          165          170          175
192 Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
193          180          185          190
195 Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
196          195          200          205

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198 Ser Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn Val Asp His Lys
199      210      215      220
201 Pro Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys Val
202 225      230      235      240
204 Glu Cys Pro Pro Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe
205      245      250      255
207 Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
208      260      265      270
210 Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
211      275      280      285
213 Gln Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
214      290      295      300
216 Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val
217 305      310      315      320
219 Leu Thr Val Val His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
220      325      330      335
222 Lys Val Ser Asn Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
223      340      345      350
225 Lys Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
226      355      360      365
228 Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
229      370      375      380
231 Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
232 385      390      395      400
234 Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp
235      405      410      415
237 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
238      420      425      430
240 Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
241      435      440      445
243 Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
244      450      455      460
247 <210> SEQ ID NO: 3
248 <211> LENGTH: 23
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially
254     synthesized primer sequence, HG2-3-437
256 <400> SEQUENCE: 3
257 gtgtaggtct gggtgccgaa gtt                                     23
260 <210> SEQ ID NO: 4
261 <211> LENGTH: 23
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially
267     synthesized primer sequence, VH4-21
269 <400> SEQUENCE: 4

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Input Set : E:\seqlist.txt

Output Set: N:\CRF4\02022005\I937495.raw

270 atgaaacacc tgtggttctt cct 23
273 <210> SEQ ID NO: 5
274 <211> LENGTH: 23
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificially
280 synthesized primer sequence, CG2-1
282 <400> SEQUENCE: 5
283 gctgggtgcc tgggaagtat gta 23

VERIFICATION SUMMARY

DATE: 02/02/2005

PATENT APPLICATION: US/09/937,495

TIME: 16:16:50

Input Set : E:\seqlist.txt

Output Set: N:\CRF4\02022005\I937495.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date